AMENDMENTS TO THE SPECIFICATION:

Please amend paragraph [0055] as follows:

Five different approximators may be used. Polynomial regression takes all available variables and attempts to find a set of weights that transform the inputs to a value as close as possible to the target values (during training). In one example, an equation may be the following:

Please amend paragraph [0056] as follows:

$r_{t+1} = w_t r_t + w_{t-1} r_{t-1} + w_{t-2} r_{t-2} \ldots w_0 r_0$ where r are the weekly aggregated sales data for a customer, and w are weights corresponding to the weekly aggregated sales data that are obtained from auto-regression.

Please amend paragraph [0060] as follows:

Of the approximators, the polynomial regression appears to be the best approximators, nearest neighbor appears to be the worst approximators, and logistic regression does not to work very consistently.

Please amend paragraph [0061] as follows:

6. Window selection and training_Database 20 may have 400 days of historical data. However, the RAM of client computer 12 or server computer 14 may have only access to no more than 100 days of purchases at a time. As a result, a user may need to carefully window the large historical timeseries to create training data which uses training windows to predict the following same or lesser number of days.